

#5

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		<b>Application Number</b>	09/671,050
		<b>Filing Date</b>	September 27, 2000
		<b>First Named Inventor</b>	Donoho
		<b>Group Art Unit</b>	1646/652
		<b>Examiner Name</b>	Mon Shikhan
<b>Sheet</b>	1	<b>of</b>	2
		<b>Attorney Docket Number</b>	LEX-0046-USA

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Class/ Subclass Where Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
R.R.	AA	4,215,051		Schroeder et al	07/29/80	260/346.7
R.R.	AB	4,376,110		David et al	03/08/83	436/513
R.R.	AC	4,946,778		Ladner et al	08/07/90	435/69.1
R.R.	AD	5,817,479		Au-Young et al	10/06/98	435/69.1
R.R.	AE	5,830,721		Stemmer et al	11/03/98	435/172.1
R.R.	AF	5,837,458		Minshull et al	11/17/98	435/6
R.R.	AG	5,869,336		Meyer et al	02/09/99	435/348
R.R.	AH	5,877,397		Lonberg et al	03/02/99	800/2
R.R.	AI	6,075,181		Kucheralapati et al	06/13/00	800/25

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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
							T <sup>6</sup>
OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T <sup>2</sup>
R.R.	AJ	Bird et al, 1988, "Single-Chain Antigen-Binding Proteins", Science 242:423-426.					
R.R.	AL	Bitter et al, 1987, "Expression and Secretion Vectors for Yeast", Methods in Enzymology 153:516-544.					
R.R.	AL	Colbere-Garapin et al, 1981, "A New Dominant Hybrid Selective Marker for Higher Eukaryotic Cells", J. Mol. Biol. 150:1-14.					
R.R.	AM	Gautier et al, 1987, "α-DNA IV: α-anomeric and β-anomeric tetrathymidylates covalently linked to intercalating oxazolopyridocarbazole. Synthesis, physicochemical properties and poly (rA) binding", Nucleic Acids Research 15(16):6625-6641.					
R.R.	AN	Greenspan et al, 1993, "Idiotypes: structure and immunogenicity", FASEB Journal 7:437-444.					
R.R.	AO	Huse et al, 1989, "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science 246:1275-1281.					
R.R.	AP	Huston et al, 1988, "Protein engineering of antibody binding sites: Recovery of specific activity in an anti-digoxin single-chain Fv analogue produced in Escherichia coli", Proc. Natl. Acad. Sci. USA 85:5879-5883.					
R.R.	AQ	Inoue et al, 1987, "Sequence-dependent hydrolysis of RNA using modified oligonucleotide splints and RNase H", FEBS Letters 215(2):327-330.					

<b>Examiner Signature</b>	<i>R. R. Donoho</i>	<b>Date Considered</b>	6/30/2003
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\*EXAMINER: Initial reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)		Application Number	09/671,050
		Filing Date	September 27, 2000
		First Named Inventor	Donoho
		Group Art Unit	1945 1652
		Examiner Name	MONSHI, KAREN
Sheet 2 of 2	Attorney Docket Number	LEX-0046-USA	

**OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No.¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
R.R.	AR	Inoue et al, 1987, "Synthesis and hybridization studies on two complementary nona(2'-O-methyl)ribonucleotides", Nucleic Acids Research 15(15):6131-6149.	
R.R.	AS	Inouye & Inouye, 1985, "Up-promoter mutations in the lpp gene of Escherichia coli", Nucleic Acids Research 13(9):3101-3110.	
R.R.	AT	Janknecht et al, 1991, "Rapid and efficient purification of native histidine-tagged protein expressed by recombinant vaccinia virus", PNAS USA 88:8972-8976.	
R.R.	AU	Kohler & Milstein, 1975, "Continuous cultures of fused cells secreting antibody of predefined specificity", Nature 256:495-497.	
R.R.	AV	Logan et al, 1984, "Adenovirus tripartite leader sequence enhances translation of mRNAs late after infection", Proc. Natl. Acad. Sci. USA 81:3655-3659.	
R.R.	AW	Lowy et al, 1980, "Isolation of Transforming DNA: Cloning the Hamster apt Gene", Cell 22:817-823.	
R.R.	AY	Morrison et al, 1984, "Chimeric human antibody molecules: Mouse antigen-binding domains with human constant region domains", Proc. Natl. Acad. Sci. USA 81:6851-6855.	
R.R.	AZ	Mulligan & Berg, 1981, "Selection for animal cells that express the Escherichia coli gene coding for xanthine-guanine phosphoribosyltransferase", Proc. Natl. Acad. Sci. USA 78(4):2072-2076.	
R.R.	BA	Neuberger et al, 1984, "Recombinant antibodies possessing novel effector functions", Nature 312:604-608.	
R.R.	BB	Nisonoff, 1991, "Idiotypes: Concepts and Applications", J. of Immunology 147:2429-2438.	
R.R.	BC	O'Hare et al, 1981, "Transformation of mouse fibroblasts to methotrexate resistance by a recombinant plasmid expressing a prokaryotic dihydrofolate reductase", Proc. Natl. Acad. Sci. USA 78(3):1527-1531.	
R.R.	BD	Ruther et al, 1983, "Easy identification of cDNA clones", EMBO Journal 2(10):1791-1794.	
R.R.	BE	Santerre et al, 1984, "Expression of prokaryotic genes for hygromycin B and G418 resistance as dominant-selection markers in mouse L cells", Gene 30:147-156.	
R.R.	BF	Sarin et al, 1988, "Inhibition of acquired immunodeficiency syndrome virus by oligodeoxynucleoside methylphosphonates", Proc. Natl. Acad. Sci. USA 85:7448-7451.	
R.R.	BG	Smith et al, 1983, "Molecular Engineering of the Autographa californica Nuclear Polyhedrosis Virus Genome: Deletion Mutations within the Polyhedrin Gene", J. Virol. 46(2):584-593.	
R.R.	BH	Stein et al, 1988, "Physicochemical properties of phosphorothioate oligodeoxynucleotides", Nucleic Acids Research 16(8):3209-3221.	
R.R.	BI	Szybalska & Szybalski, 1962, "Genetics of Human Cell Lines, IV. DNA-Mediated Heritable Transformation of a Biochemical Trait", Proc. Natl. Acad. Sci. USA 48:2026-2034.	
R.R.	BJ	Takeda et al, 1985, "Construction of chimaeric processed immunoglobulin genes containing mouse variable and human constant region sequences", Nature 314:452-454.	
R.R.	BK	Van Heeke et al, 1989, "Expression of Human Asparagine Synthetase in Escherichia coli", J. Biol. Chemistry 264(10):5503-5509.	
R.R.	BL	Ward et al, 1989, "Binding activities of a repertoire of single immunoglobulin variable domains secreted from Escherichia coli", Nature 341:544-546.	
R.R.	BM	Wigler et al, 1980, "Transformation of mammalian cells with an amplifiable dominant-acting gene", Proc. Natl. Acad. Sci. USA 77(6):3567-3570.	
R.R.	BN	Wigler et al, 1977, "Transfer of Purified Herpes Virus Thymidine Kinase Gene to Cultured Mouse Cells", Cell 11:223-232.	

Examiner Signature	<i>R. Monshi</i>	Date Considered	6/30/2003
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#6

Substitute for form 1449A/PTO		<b>Complete if Known</b>		
<b>SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	09/671,050	
		Filing Date	September 27, 2000	
		First Named Inventor	Donoho	
		Group Art Unit	1845 1652	
		Examiner Name	MONSIEUR	
Sheet	(use as many sheets as necessary)	1	Attorney Docket Number	LEX-0046-USA

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		Number	Kind Code <sup>2</sup> (if known)			
R.R.	BO	US 5817479 A		Au-Young et al.	10/06/98	435/69.1

FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
R.R.	BP		WO 00/73469 A2		Sugen, Inc.	12/07/00	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
R.R.	BQ	HILLIER ET AL.: "zu89f10.s1 Soares-testis-NHT Homo sapiens cDNA clone IMAGE: 745195 3' similar to SW:KKIA_HUMAN Q00532 SERINETHREONINE-PROTEIN KINASE KKIALRE" EMBL SEQUENCE DATABASE 28 October 1997 (1997-10-28), XP002161432. HEIDELBERG DE Ac AA626859
R.R.	BR	DOE JOINT GENOME INSTITUTE: "Sequencing of human chromosome 16" EMBL SEQUENCE DATABASE, 4 August 1999 (1999-08-04), XP002161433 HEIDELBERG DE Ac009100
R.R.	BS	MEYERSON M ET AL: "A family of human cc2-related protein kinases" EMBO JOURNAL, GB, OXFORD UNIVERSITY PRESS, SURREY, vol. 11, no. 8, 1992, pages 29019-2917 XP002128265, issn: 0261-4189, abstract; figure 1
R.R.	BT	WATERSTON R.H.: "The sequence of Homo sapiens clone" EMBL SEQUENCE DATABASE, 5 September 2000 (2000-09-05) XP002161434, HEIDELBERG DE Ac AC079615

Examiner Signature	<i>R. R. Donoho</i>	Date Considered	6/30/2003
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